



Customer Number: 000959  
Attorney's Docket Number: GNN-014CP

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Surface-Bound Antigen Binding Portions of Antibodies That Bind to CTLA-4 and CD28 and  
Uses Therefor  
the specification of which

(check one)

\_\_\_ is attached hereto.

X was filed on April 12, 2001 as

Application Serial No. 09/835,297

and was amended on \_\_\_\_\_  
(if applicable)

**RECEIVED**

**FEB 22 2002**

**OFFICE OF PETITIONS**

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

APP. A

# CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
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			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
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ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
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CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/196,851

(Application Serial No.)

April 12, 2000

(Filing Date)

                      
(Application Serial No.)

                      
(Filing Date)

# CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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\_\_\_\_\_  
(Application Serial No.)

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(Filing Date)

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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield	Reg. No. 19,162	Nicholas P. Triano III	Reg. No. 36,397
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Elizabeth A. Hanley	Reg. No. 33,505	Theodore R. West	Reg. No. 47,202
Amy E. Mandragouras	Reg. No. 36,207	Maria C. Laccotripe	Limited Recognition
Anthony A. Laurentano	Reg. No. 38,220		Under 37 C.F.R. § 10.9(b)
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and

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Barbara A. Gyure	Reg. No. 34,614	Beth Anne Hurley	Reg. No. 41,859
Albert Ubieto	Reg. No. 43,212	Gavin T. Bogle	Limited Recognition Under
			37 C.F.R. §10.9(b)

of Genetics Institute, Inc., 87 CambridgePark Drive, Cambridge, Massachusetts 02140, United States of America.

Egon E. Berg	Reg. No. 21,117	Elizabeth M. Barnhard	Reg. No. 31,088
Gale F. Matthews	Reg. No. 32,269	Alan M. Gordon	Reg. No. 30,637
Darryl L. Webster	Reg. No. 34,276		

of Genetics Institute, Inc., One Campus Drive, Parsippany, New Jersey 07054, United States of America.

Rebecca R. Barrett	Reg. No. 35,152	Steven R. Eck	Reg. No. 36,126
Arnold S. Milowsky	Reg. No. 35,288	Michael R. Nagy	Reg. No. 33,432
George Tarnowski	Reg. No. 27,472		

of P.O. Box 8299, Philadelphia, Pennsylvania 19101, United States of America.

Send Correspondence to Amy E. Mandragouras, Esq. at **Customer Number: 000959** whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Megan E. Williams, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

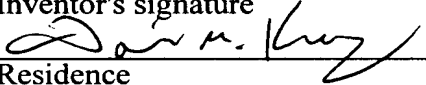
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeffrey A. Bluestone	
Inventor's signature	Date
Residence 283 12 <sup>th</sup> Avenue, San Francisco, CA 94118-2103	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of second inventor, if any Mary Collins	
Inventor's signature	Date
Residence 54 Rathbun Road, Natick, MA 01760	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any Matthew J. Whitters	
Inventor's signature	Date
Residence 14 Brenton Wood Road, Hudson, MA 01749	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fourth inventor, if any Matthew D. Griffin	
Inventor's signature	Date
Residence 2308 12 <sup>th</sup> . Avenue NW, Rochester, MN 55901	
Citizenship U.S.A.	
Post Office Address (if different)	


Full name of fifth inventor, if any David M. Kranz	
Inventor's signature 	Date 8/22/01
Residence 2202 O'Donnell Drive, Champaign, IL 61821	
Citizenship U.S.A.	
Post Office Address (if different)	

APPENDIX A**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE****LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

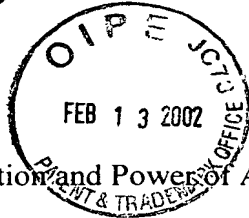
Gavin Bogle is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Wyeth-Ayerst, to prepare and prosecute patent applications wherein the assignee of record of the entire interest is American Home Products Corporation, Wyeth-Ayerst Laboratories, Wyeth-Ayerst International, Inc., Wyeth-Ayerst Research, or Genetics Institute. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Gavin Bogle ceases to lawfully reside in the United States, (ii) Gavin Bogle's employment with Wyeth-Ayerst ceases or is terminated, or (iii) Gavin Bogle ceases to remain or reside in the United States on a TN visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: September 24, 2001**

  
Harry I. Moatz  
Director of Enrollment and Discipline





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Attorney's Docket Number: GNN-014CP

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APP. A.

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

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			_ Yes      No _
			_ Yes      No _
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<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status)</u> (patented,pending,aband.)
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George Tarnowski	Reg. No. 27,472		

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Direct Telephone Calls to: (name and telephone number)

Megan E. Williams, Esq., (617) 227-7400

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Inventor's signature	Date
Residence 283 12 <sup>th</sup> Avenue, San Francisco, CA 94118-2103	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of second inventor, if any Mary Collins	
Inventor's signature	Date
Residence 54 Rathbun Road, Natick, MA 01760	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any Matthew J. Whitters	
Inventor's signature	Date
Residence 14 Brenton Wood Road, Hudson, MA 01749	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fourth inventor, if any Matthew D. Griffin	
Inventor's signature <i>Matthew Griffin</i>	Date 9/8/01
Residence 2308 12 <sup>th</sup> . Avenue NW, Rochester, MN 55901	
Citizenship <del>U.S.A.</del> IRELAND <i>MG</i>	
Post Office Address (if different)	

Full name of fifth inventor, if any David M. Kranz	
Inventor's signature	Date
Residence 2202 O'Donnell Drive, Champaign, IL 61821	
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Post Office Address (if different)	

APPENDIX A

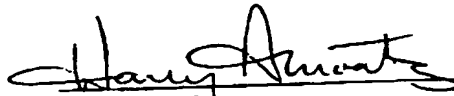
**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

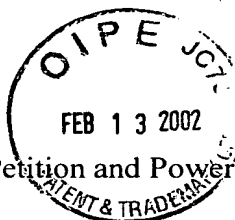
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Anthony A. Laurentano	Reg. No. 38,220		Under 37 C.F.R. § 10.9(b)
Jane E. Remillard	Reg. No. 38,872	Debra J. Milasincic	Reg. No. 46,931
Jeremiah Lynch	Reg. No. 17,425	David R. Burns	Reg. No. 46,590
Kevin J. Canning	Reg. No. 35,470	Sean D. Detweiler	Reg. No. 42,482
Jeanne M. DiGiorgio	Reg. No. 41,710	Peter S. Stecher	Reg. No. P47,259
Megan E. Williams	Reg. No. 43,270	Adam M. Goodman	Reg. No. 43,640

of LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, Massachusetts 02109, United States of America, and

Ellen J. Kapinos	Reg. No. 32,245	M. Andrea Ryan	Reg. No. 28,469
Barbara A. Gyure	Reg. No. 34,614	Beth Anne Hurley	Reg. No. 41,859
Albert Ubieta	Reg. No. 43,212	Gavin T. Bogle	Limited Recognition Under
			37 C.F.R. §10.9(b)

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Egon E. Berg	Reg. No. 21,117	Elizabeth M. Barnhard	Reg. No. 31,088
Gale F. Matthews	Reg. No. 32,269	Alan M. Gordon	Reg. No. 30,637
Darryl L. Webster	Reg. No. 34,276		

of Genetics Institute, Inc., One Campus Drive, Parsippany, New Jersey 07054, United States of America.

Rebecca R. Barrett	Reg. No. 35,152	Steven R. Eck	Reg. No. 36,126
Arnold S. Milowsky	Reg. No. 35,288	Michael R. Nagy	Reg. No. 33,432
George Tarnowski	Reg. No. 27,472		

of P.O. Box 8299, Philadelphia, Pennsylvania 19101, United States of America.

Send Correspondence to Amy E. Mandragouras, Esq. at **Customer Number: 000959** whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

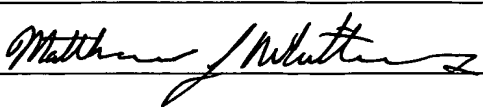
Megan E. Williams, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeffrey A. Bluestone	
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Post Office Address (if different)	

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Inventor's signature <i>Mary Collins</i>	Date 8/15/01
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Post Office Address (if different)	

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Inventor's signature 	Date 8/15/01
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Citizenship U.S.A.	
Post Office Address (if different)	

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Full name of fifth inventor, if any David M. Kranz	
Inventor's signature	Date
Residence 2202 O'Donnell Drive, Champaign, IL 61821	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any Matthew J. Whitters	
Inventor's signature	Date
Residence 14 Brenton Wood Road, Hudson, MA 01749	
Citizenship U.S.A.	
Post Office Address (if different)	

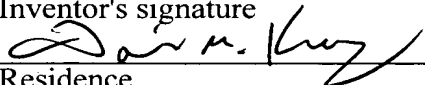
Full name of fourth inventor, if any Matthew D. Griffin	
Inventor's signature <i>Matthew D. Griffin</i>	Date 9/8/01
Residence 2308 12 <sup>th</sup> . Avenue NW, Rochester, MN 55901	
Citizenship <del>U.S.A.</del> IRELAND <i>MG</i>	
Post Office Address (if different)	

Full name of fifth inventor, if any David M. Kranz	
Inventor's signature	Date
Residence 2202 O'Donnell Drive, Champaign, IL 61821	
Citizenship U.S.A.	
Post Office Address (if different)	

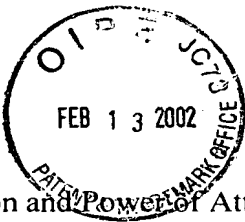


Full name of third inventor, if any Matthew J. Whitters	
Inventor's signature	Date
Residence 14 Brenton Wood Road, Hudson, MA 01749	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fourth inventor, if any Matthew D. Griffin	
Inventor's signature	Date
Residence 2308 12 <sup>th</sup> . Avenue NW, Rochester, MN 55901	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fifth inventor, if any David M. Kranz	
Inventor's signature 	Date 8/22/01
Residence 2202 O'Donnell Drive, Champaign, IL 61821	
Citizenship U.S.A.	
Post Office Address (if different)	

#7



Customer Number: 000959  
Attorney's Docket Number: GNN-014CP

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Surface-Bound Antigen Binding Portions of Antibodies That Bind to CTLA-4 and CD28 and Uses Therefor

the specification of which

(check one)

       is attached hereto.

  X   was filed on April 12, 2001 as

Application Serial No. 09/835,297

and was amended on \_\_\_\_\_  
(if applicable)

**RECEIVED**

FEB 22 2002

OFFICE OF PETITIONS

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

# CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month.day.year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION




CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112. I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented,pending.aband.)
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_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented,pending.aband.)
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield	Reg. No. 19,162	Nicholas P. Triano III	Reg. No. 36,397
Thomas V. Smurzynski	Reg. No. 24,798	Peter C. Lauro	Reg. No. 32,360
Ralph A. Loren	Reg. No. 29,325	DeAnn F. Smith	Reg. No. 36,683
Giulio A. DeConti, Jr.	Reg. No. 31,503	Cynthia L. Kanik	Reg. No. 37,320
Ann Lamport Hammitte	Reg. No. 34,858	David J. Ridders	Reg. No. 43,882
Elizabeth A. Hanley	Reg. No. 33,505	Theodore R. West	Reg. No. 47,202
Amy E. Mandragouras	Reg. No. 36,207	Maria C. Laccotripe	Limited Recognition
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Jane E. Remillard	Reg. No. 38,872	Debra J. Milasincic	Reg. No. 46,931
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Megan E. Williams	Reg. No. 43,270	Adam M. Goodmann	Reg. No. 43,640

of LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, Massachusetts 02109, United States of America,  
and

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Barbara A. Gyure	Reg. No. 34,614	Beth Anne Hurley	Reg. No. 41,859
Albert Ubieta	Reg. No. 43,212	Gavin T. Bogle	Limited Recognition Under
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of Genetics Institute, Inc., 87 CambridgePark Drive, Cambridge, Massachusetts 02140, United States of America.

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Arnold S. Milowsky	Reg. No. 35,288	Michael R. Nagy	Reg. No. 33,432
George Tarnowski	Reg. No. 27,472		

of P.O. Box 8299, Philadelphia, Pennsylvania 19101, United States of America.

Send Correspondence to Amy E. Mandragouras, Esq. at **Customer Number: 000959** whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

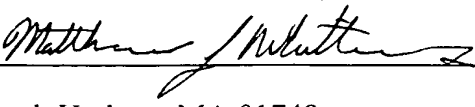
Megan E. Williams, Esq., (617) 227-7400

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeffrey A. Bluestone	
Inventor's signature	Date
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Post Office Address (if different)	

Full name of second inventor, if any Mary Collins	
Inventor's signature <i>Mary Collins</i>	Date 8/15/01
Residence 54 Rathbun Road, Natick, MA 01760	
Citizenship U.S.A.	
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Full name of third inventor, if any Matthew J. Whitters	
Inventor's signature 	Date 8/15/01
Residence 14 Brenton Wood Road, Hudson, MA 01749	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fourth inventor, if any Matthew D. Griffin	
Inventor's signature	Date
Residence 2308 12 <sup>th</sup> . Avenue NW, Rochester, MN 55901	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fifth inventor, if any David M. Kranz	
Inventor's signature	Date
Residence 2202 O'Donnell Drive, Champaign, IL 61821	
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Post Office Address (if different)	



APPENDIX A

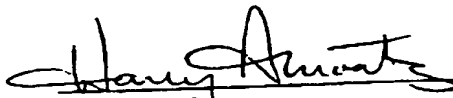
**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Gavin Bogle is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of Wyeth-Ayerst, to prepare and prosecute patent applications wherein the assignee of record of the entire interest is American Home Products Corporation, Wyeth-Ayerst Laboratories, Wyeth-Ayerst International, Inc., Wyeth-Ayerst Research, or Genetics Institute. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Gavin Bogle ceases to lawfully reside in the United States, (ii) Gavin Bogle's employment with Wyeth-Ayerst ceases or is terminated, or (iii) Gavin Bogle ceases to remain or reside in the United States on a TN visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: September 24, 2001**

  
Harry I. Moatz  
Director of Enrollment and Discipline